

MATERIAL SAFETY DATA SHEET

SECTION I – Product/Company Identification

1.1 Product Trade Name: **MoldGel® SloSet & Regular Set Alginate**
1.2 Part (Item) Number: AM1R0101R-AM1R012R & AM1S0101R-AM1S012R
1.3 Division Name: ArtMolds
1.4 Address: 18 Bank Street
City State ZIP Summit NJ 07901
1.5 Emergency Telephone: 1-866-278-6653
1.6 Information Telephone: 1-908-273-5401
1.7 Date Prepared: 8/28/02 **Date Revised** 8/28/02

SECTION II – Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>SHA PEL</u>	<u>ACGIH TLV</u>
Amorphous Silica – Diatomaceous Earth	1.2 mg/m ³	10 mg/m ³
Calcium Sulfate	10 mg/m ³	10 mg/m ³
Tetrasodium Pyrophosphate	5 mg/m ³	5 mg/m ³
Sodium Alginate (as nuisance dust)	15 mg/m ³	10 mg/m ³
Magnesium Oxide (as nuisance dust)	15 mg/m ³	10 mg/m ³

Warning: This product contains silica, crystalline (airborne particles of respirable size) that is known by the State of California to cause cancer.

OTHER INFORMATION:

Regular Set Product contains synthetic Yellow Iron Oxide as colorant

SloSet contains synthetic organic Rocket Red AX as colorant

SECTION III – Physical/Chemical Properties

3.1 Boiling Point: N/A	3.6 Specific Gravity: 0.3 g/cm ³
3.2 Vapor Pressure: N/A	3.7 Melting point: N/A
3.3 Vapor Density: N/A	3.8 Evaporation rate: N/A
3.4 Solubility in water: Partially Soluble	
3.5 Appearance and odor: Fluffy powder, may be colored	

SECTION IV – Fire and Explosion Hazard Data

4.1 Flash Point (method used): N/A
4.2 Flammability (explosive limits): LEL: N/A UEL: N/A
4.3 Extinguishing media: N/A
4.4 Special fire fighting procedures: N/A
4.5 Unusual fire and Explosion hazards: In common with most organic materials, this product should be treated as a combustible dust in the finely divided and suspended state.

SECTION V – Reactivity Data

5.1 Stability: Unstable: Stable: X
5.2 Conditions to avoid: High humidity and water contamination will cause material to gel.
Prolonged exposure to heat greater than 60° C (140° F)
5.3 Incompatibility (materials to avoid): Hydrofluoric Acid
5.4 Hazardous decomposition or byproducts: N/A

5.5 Hazardous polymerization: **May Occur:** **May not occur:** X
5.6 Conditions to avoid (polymerization) High humidity and prolonged heat greater than 60° C

SECTION VI – Health Hazard Data

6.1 Primary routes(s) of entry: **Inhalation?:** Yes **Skin?:** No **Ingestion?:** Yes
6.2 Health Hazards (acute and chronic): **Acute:** Transitory upper respiratory irritation or eye irritation
Chronic: Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group I). Inhalation of crystalline silica is known as a cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52% free crystalline silica. As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).
6.3 Carcinogenicity: **NTP?:** Proposed **IARC monographs:** Yes (Group 1) **OSHA Regulated?:** Yes
6.4 Signs and symptoms of exposure: **Inhalation:** Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. **Eyes:** temporary irritation or inflammation. Not hazardous when ingested.
6.5 Medical conditions generally aggravated by exposure: Pre-existing upper respiratory and lung diseases such as but not limited to bronchitis, emphysema, and asthma. **Target organs:** Lungs and eyes.
6.6 Emergency First aid procedures: Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. For eyes flush with copious amounts of water for 15 minutes. If irritation persists consult a physician.

SECTION VII – Precautions for Safe Handling

7.1 Steps to be taken in case material is released or spilled: Vacuum dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal.
7.2 Waste Disposal methods: Dispose of in accordance with Federal, State and Local regulations
7.3 Precautions to be taken in handling and storage: Minimize dust generation and accumulation. Avoid breathing dust, avoid contact with eyes. Reclose packages and containers immediately. Continue to follow all MSDS/label warnings when handling empty containers. Observe normal warehouse handling procedures. Store in a cool dry area. Store away from foodstuffs and beverages.
7.4 Other precaution: The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personal health and comfort.

SECTION VII – Control Measure / Personal Protection

8.1 Respiratory protection: Recommended NIOSH approved nuisance dust mask. <10X PEL, use 3M 9900; <100X PEL, use MSA Ultra-twin with H Filter; <200X PEL, use MSA 01-00-06 with type C supplied for air unit (continuous flow mode); or equivalent.
8.2 Ventilation: Use sufficient natural or mechanical ventilation to keep dust level below PEL.
8.3 Protective gloves: Rubber gloves
8.4 Eye protection: Goggles or safety glasses with shields
8.5 Other protective clothing or equipment: Rubber apron
8.6 Work/Hygienic practices: Avoid dusting when in use. Observe normal care when working with chemicals.

NFPA – National Fire Protection Association
N/A – Not Applicable
N/E – Not Established

NFPA HAZARD CLASSIFICATIONS	
Health	2
Flammability	0

Reactivity	0
Specific Hazard	N/A

ARTMOLDS 1001 8-28-02

